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ABSTRACT OF THE DISCLOSURE

Paper comprising aldehyde modified cellulose pulp having selected aldehyde content. Another embodiment involves a method of preparing cellulose aldehydes using selective oxidation with a limited amount of oxidant and a nitroxyl radical mediator and defined reaction conditions to provide oxidized
10 cellulose material with effective aldehyde content making it particularly suitable for use in making paper with desirable wet strength, temporary wet strength and dry strength properties, including compressive strength and resistance.